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PTO/SB/01 (12-97)  
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Docket Number</b>	2727-155-930008-2053
	<b>First Named Inventor</b>	Leopold Flohe
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	09/914,584
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

As a below named inventor, I hereby declare

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD TO SEARCH FOR MALE ANTIFERTILITY DRUGS BASED ON PHGPx ACTIVITY DETERMINATION**

the specification of which  
☐ is attached hereto  
OR  
☒ was filed on (MM/DD/YYYY) **03/06/2000** as United States Application Number or PCT International

Application Number **PCT/EP00/01878** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
EP 99103960.3	European Patent	03/09/1999	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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## DECLARATION — Utility or D sign Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number  OR ☒ Registered practitioner(s) name/registration number listed below

Place Customer Number Bar Code Label here

Name	Registration Number	Name	Registration Number
Ronald R. Santucci	28,988		

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number or Bar Code Label  OR ☒ Correspondence address below

Name	Ronald R. Santucci						
Address	Pitney, Hardin, Kipp & Szuch, LLP						
Address	711 Third Avenue, 20th Floor						
City	New York	State	NY	ZIP	10017		
Country	U.S.A.	Telephone	(212) 687-6000	Fax	(212) 682-3485		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle (if any))				Family Name or Surname			
Leopold				Flohe			
Inventor's Signature	<i>Leopold Flohe</i>					Date	10/29/01
Residence: City	Braunschweig	State		Country	Germany	Citizenship	German
Post Office Address	Mascheroder Weg 1						
Post Office Address	D-38124 Braunschweig, Germany						
City		State		ZIP		Country	

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → +

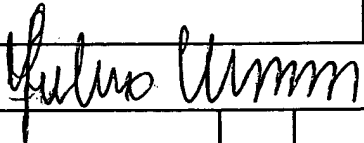
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## DECLARATION

**ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 3 of 3

<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Fulvio				Ursini			
Inventor's Signature						Date	11/08/01
Residence: City	Braunschweig	State		Country	Germany	Citizenship	Italian
Post Office Address	Mascheroder Weg 1						
Post Office Address	D-38124 Braunschweig, Germany						
City		State		ZIP		Country	
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

MAY 09, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

FROMMER LAWRENCE & HAUG LLP  
RONALD R. SANTUCCI  
745 FIFTH AVENUE  
NEW YORK, NY 10151



\*102021003A\*

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RECORDATION DATE: 03/05/2002

REEL/FRAME: 012674/0600  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
FLOHE, LEOPOLD

DOC DATE: 01/22/2002

ASSIGNOR:  
URSINI, FULVIO

DOC DATE: 01/22/2002

ASSIGNEE:  
FLOHE, LEOPOLD  
MASCHERODER WEG 1  
D-38124 BRAUNSCHWEIG  
FED REP  
GERMANY

SERIAL NUMBER: 09914584  
PATENT NUMBER:

FILING DATE: 12/11/2001  
ISSUE DATE:

DOCK

FROMMER LAWRENCE & HAUG, LLP  
MAY 16 10:35

012674/0600 PAGE 2 .

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-19-2002

FLH Ref. No.: 930008-2053

FORM PTO-1595  
(Rev. 6-93)

REC



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies)

Leopold Flohe and Fulvio Ursini

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Merger  
☐ Change of Name  
☐ Other

Execution Date: January 22, 2002

## 2. Name and address of receiving party(ies)

Name: Leopold Flohe

Internal Address:

Street Address: Mascheroder Weg 1  
D-38124 Braunschweig, Germany

City: State: Zip:

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/914,584 B. Patent No.(s)Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ronald R. Santucci

Internal Address: Frommer Lawrence &amp; Haug LLP

Street Address: 745 Fifth Avenue

City: New York State: New York Zip: 10151

## 6. Total number of applications and patents involved ..... 1

## 7. Total fee (37 CFR 3.41) ..... \$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account #50-0320

8. Deposit account number: 50-0320  
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ronald R. Santucci

Name of Person Signing

Signature

2/20/02

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930008-2053

ASSIGNMENT

FOR ONE DOLLAR (\$1.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we,

**Leopold Flohé and Fulvio Ursini**

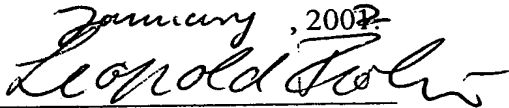
being the inventors of certain improvements in

**"Method to Search for Male Antifertility Drugs Based on PHGPx  
Activity Determination"**


hereby assign unto **Leopold Flohé**, an individual with an address at Mascheroder Weg 1, D-38124 Braunschweig, Germany, the entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent based upon PCT/EP00/03638 (U.S. Serial No. 09/914,584) which designates the United States and preparatory to obtaining Letters Patent of the United States therefor and in and to any and all divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term from which said Letters Patent or other rights of protection may be granted, as fully and as entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.


AND WE COVENANT, AGREE AND WARRANT that we have a full and unencumbered title to the invention hereby assigned, and we further covenant and agree that we will, at any time upon request, without further compensation, execute and deliver any and all papers or instruments that in the opinion of the assignee may be necessary or desirable to secure said assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed.

IN WITNESS WHEREOF, we have hereto set our hand and seal, this 22<sup>nd</sup> day of

*January, 2003*  
  
**Leopold Flohé**

  
**Fulvio Ursini**

  
**Witness**

  
**Witness**